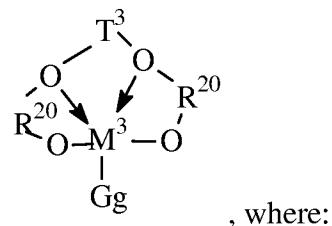


**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A copolymer formed by polymerizing propylene, 4-methyl-1-pentene, styrene, or another C<sub>4-20</sub>  $\alpha$ -olefin, and a copolymerizable comonomer in the presence of a composition comprising the admixture or reaction product resulting from combining:

(A) a first olefin polymerization catalyst comprising a complex corresponding to the formula



, where:

R<sup>20</sup> is an aromatic or inertly substituted aromatic group containing from 5 to 20 atoms not counting hydrogen, or a polyvalent derivative thereof;

T<sup>3</sup> is a hydrocarbylene or silane group having from 1 to 20 atoms not counting hydrogen, or an inertly substituted derivative thereof;

M<sup>3</sup> is a Group 4 metal;

G is an anionic, neutral or dianionic ligand group;

g is a number from 1 to 5 indicating the number of G groups; and

bonds and electron donative interactions are represented by lines and arrows respectively

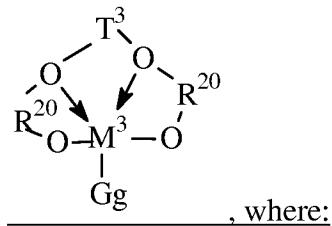
~~comprising a transition metal selected from Groups 4-8 of the Periodic Table of the Elements and one or more delocalized,  $\pi$  bonded ligands or polyvalent Lewis base ligands;~~

(B) a second olefin polymerization catalyst capable of preparing polymers differing in chemical or physical properties from the polymer prepared by catalyst (A) under equivalent polymerization conditions; and

(C) a chain shuttling agent.

2. (Currently Amended) A copolymer formed by polymerizing propylene, 4-methyl-1-pentene, styrene, or another C<sub>4-20</sub>  $\alpha$ -olefin, and a copolymerizable comonomer in the presence of a composition comprising the admixture or reaction product resulting from combining:

(A) a first olefin polymerization catalyst comprising a complex corresponding to the formula



R<sup>20</sup> is an aromatic or inertly substituted aromatic group containing from 5 to 20 atoms not counting hydrogen, or a polyvalent derivative thereof;

T<sup>3</sup> is a hydrocarbylene or silane group having from 1 to 20 atoms not counting hydrogen, or an inertly substituted derivative thereof;

M<sup>3</sup> is a Group 4 metal;

G is an anionic, neutral or dianionic ligand group;

g is a number from 1 to 5 indicating the number of G groups; and bonds and electron donative interactions are represented by lines and arrows respectively

~~comprising a transition metal selected from Groups 4-8 of the Periodic Table of the Elements and one or more delocalized,  $\pi$  bonded ligands or polyvalent Lewis base ligands;~~

(B) a second olefin polymerization catalyst having a comonomer incorporation index less than 95 percent of the comonomer incorporation index of catalyst (A); and

(C) a chain shuttling agent.

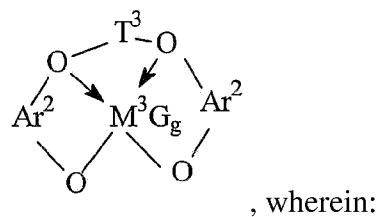
3-22. (canceled)

23. (Previously presented) A copolymer according to claim 1 wherein the shuttling agent is a trihydrocarbyl aluminum-or dihydrocarbyl zinc-compound containing from 1 to 12 carbons in each hydrocarbyl group.

24. (Original) A copolymer according to claim 23 wherein the shuttling agent is triethylaluminum or diethylzinc.

25. (canceled)

26. (Previously presented) The copolymer according to claim 1 wherein catalyst (A) corresponds to the formula:



$T^3$  is a divalent bridging group of from 2 to 20 atoms not counting hydrogen; and  $Ar^2$  independently each occurrence is an arylene or an alkyl-or aryl-substituted arylene group of from 6 to 20 atoms not counting hydrogen;

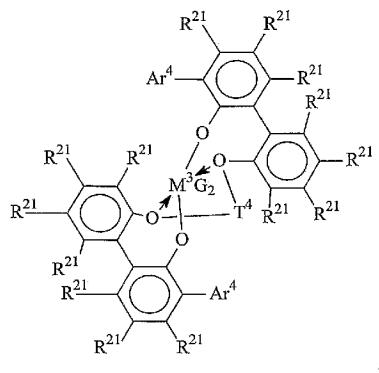
$M^3$  is a Group 4 metal;

$G$  independently each occurrence is an anionic, neutral or dianionic ligand group;

$g$  is a number from 1 to 5 indicating the number of such  $X$  groups; and

electron donative interactions are represented by arrows.

27. (Original) A copolymer according to claim 23 wherein catalyst (A) corresponds to the formula:



where  $M^3$  is Hf or Zr;

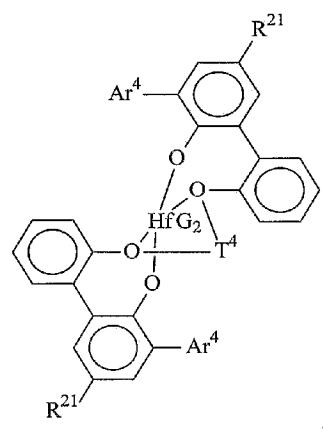
$Ar^4$  is  $C_{6-20}$  aryl or inertly substituted derivatives thereof, especially 3,5-di(isopropyl)phenyl, 3,5-di(isobutyl)phenyl, dibenzo-1H-pyrrole-1-yl, or anthracen-5-yl, and

$T^4$  independently each occurrence comprises a  $C_{3-6}$  alkylene group, a  $C_{3-6}$  cycloalkylene group, or an inertly substituted derivative thereof;

$R^{21}$  independently each occurrence is hydrogen, halo, hydrocarbyl, trihydrocarbylsilyl, or trihydrocarbylsilylhydrocarbyl of up to 50 atoms not counting hydrogen; and

$G$ , independently each occurrence is halo or a hydrocarbyl or trihydrocarbylsilyl group of up to 20 atoms not counting hydrogen, or 2  $G$  groups together are a divalent derivative of the foregoing hydrocarbyl or trihydrocarbylsilyl groups.

28. (Original) A copolymer according to claim 23 wherein catalyst (A) corresponds to the formula:



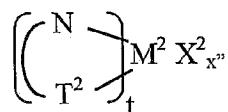
wherein Ar<sup>4</sup> is 3,5-di(isopropyl)phenyl, 3,5-di(isobutyl)phenyl, dibenzo-1H-pyrrole-1-yl, or anthracen-5-yl,

R<sup>21</sup> is hydrogen, halo, or C<sub>1-4</sub> alkyl, especially methyl

T<sup>4</sup> is propan-1, 3-diyl or butan-1, 4-diyl, and

G is chloro, methyl or benzyl.

29. (Previously presented) A copolymer according to claim 1 wherein catalyst (B) corresponds to the formula:



wherein

M<sup>2</sup> is a metal of Groups 4-10 of the Periodic Table of the elements;

T<sup>2</sup> is a nitrogen, oxygen or phosphorus containing group;

X<sup>2</sup> is halo, hydrocarbyl, or hydrocarbyloxy;

t is one or two;

x" is a number selected to provide charge balance;

and T<sup>2</sup> and N are linked by a bridging ligand.

30-34. (canceled)